



Pursuant to OSHA's "Right to Know" (29 CFR 1910.1200)

1. PRODUCT IDENTIFICATION

PRODUCT NAME: *cyclo* (Arg-Gly-Asp-D-Tyr-Lys)

CATALOG CODE: PCI-3662-PI

TRADE NAMES, SYNONYMS: *c* (RGDyK)

CAS NUMBER: Not applicable

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME: *c* (RGDyK)

FORMULA: $C_{27}H_{41}N_9O_8$

MOLECULAR WEIGHT: 619.68

PRODUCT DESCRIPTION: RGD tumor targeting and tumor imaging peptide, $\alpha_v\beta_3$ integrin binding RGD peptide

PERCENT COMPOSITION: *cyclo* (Arg-Gly-Asp-D-Tyr-Lys) content is > 95%

3. HAZARDS IDENTIFICATION

Label precautionary statements: NOT FOR HUMAN CONSUMPTION OR USE IN HUMANS
Symptoms of Overexposure: *Please treat with caution.* The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise caution.

4. FIRST-AID MEASURES

IF INHALED: Remove to fresh air. If breathing becomes difficult, get medical attention immediately.

IF SWALLOWED: Wash out mouth with large amounts of water provided person is conscious. Get medical attention.

IN CASE OF SKIN CONTACT: Flush with large amounts of water for at least 15 minutes. Get medical attention. Wash clothing before reuse.

IN CASE OF EYE CONTACT: Flush with large amounts of water for at least 15 minutes. Assure adequate flushing by separating upper and lower eyelids. Get medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point: N/A (not flammable)

Flammable Limits: N/A

Method Used: N/A

Extinguishing Media: CO_2 , Dry Powder, Halon

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: None



6. ACCIDENTAL RELEASE MEASURES

SPILL AND WASTE DISPOSAL: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Ventilate the area of the spill well. Collect the material in a safe manner. Comply with all applicable federal, state and local regulations on spill reporting, waste handling and waste disposal.

7. HANDLING AND STORAGE

HANDLING: Keep product package tightly sealed and protected from moisture.
STORAGE: Store in a cool, dry location.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

PROTECTION: Wear a NIOSH approved respirator, chemical resistant gloves, safety goggles, and other protective clothing.
WORK PRACTICES, HYGIENIC PRACTICES: Use good laboratory practices; change clothing if contaminated. Wash hands after using products and before eating. Do not eat, drink, or smoke in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White powder
Solubility: DMSO
Melting Point: Not determined

10. STABILITY AND REACTIVITY

STABILITY: Stable solid under ordinary conditions of use and storage.
INCOMPATIBILITIES: Strong oxidizers
HAZARDOUS COMBUSTION OR DECOMPOSITION: CO, CO₂, NO₂ may form when heated to decomposition.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatibles.

11. TOXICOLOGICAL INFORMATION

RTECS #: not listed in RTECS
REPRODUCTIVE EFFECTS, DATA AND REFERENCES: None Listed
TOXICOLOGY DATA: The toxicological properties have not been thoroughly investigated.
SUSPECTED CANCER AGENT: Not listed in published lists of known cancer causing agents, but as with all chemical products, should be treated with caution.
May cause skin irritation. May be harmful if absorbed through the skin. May cause eye irritation.
May be harmful if inhaled. May be harmful if swallowed.



12. ECOLOGICAL INFORMATION

Data not yet available.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

No classification assigned.

15. REGULATORY INFORMATION

Caution: Substance not yet fully tested.

16. OTHER INFORMATION

We believe the above information to be current as of the date of this material safety data sheet. Since these data and conditions regarding the use of this product are only meant as a guide, Peptides International assumes no liability from its use or for any damage resulting from handling or from contact with the above product. Peptides International, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user is responsible for handling the product safely. Users should also consult other appropriate sources for information regarding the suitability of this product for their own specific applications. Please remember that all Peptides International products are sold for research purposes only and not intended for human use.

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Authorized by: _____
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Prepared by: pyc
Supersedes: None